Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P1366537

Luminaire Tested: **GSS-SB5C-735-U-T3R**

Issue Date: 02/18/2026

Report Generated By 670245763

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P1366537
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	02/18/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GSS-SB5C-735-U-T3R
Description:	GALLEON II SLIM SITE HIGH DENSITY LED ARRAYS 5SQUARE 252W 70CRI 3500K FIXTURE w/ TYPE III ROADWAY DISTRIBUTION OPTIC
Light Source:	(130) 3500K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	35961.6 lumens
Efficiency:	N/A
Efficacy:	142.7 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B3 - U0 - G4

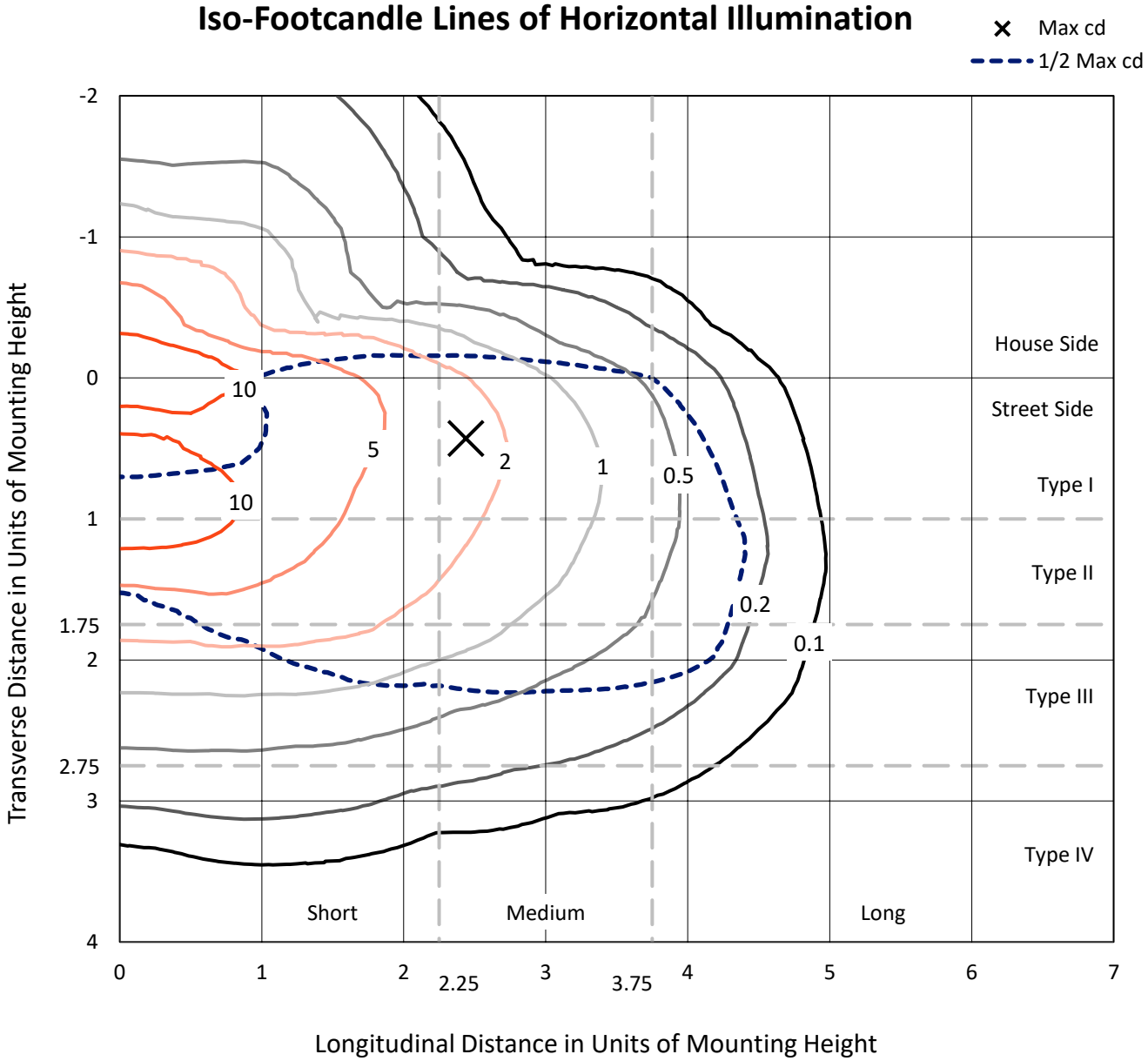
Input Watts (W):	252
Input Voltage (V):	120
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	0.98
Total Harmonic Distortion (THDi):	7.9%
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1366537
CATALOG NUMBER: GSS-SB5C-735-U-T3R

Iso-Footcandle Lines of Horizontal Illumination



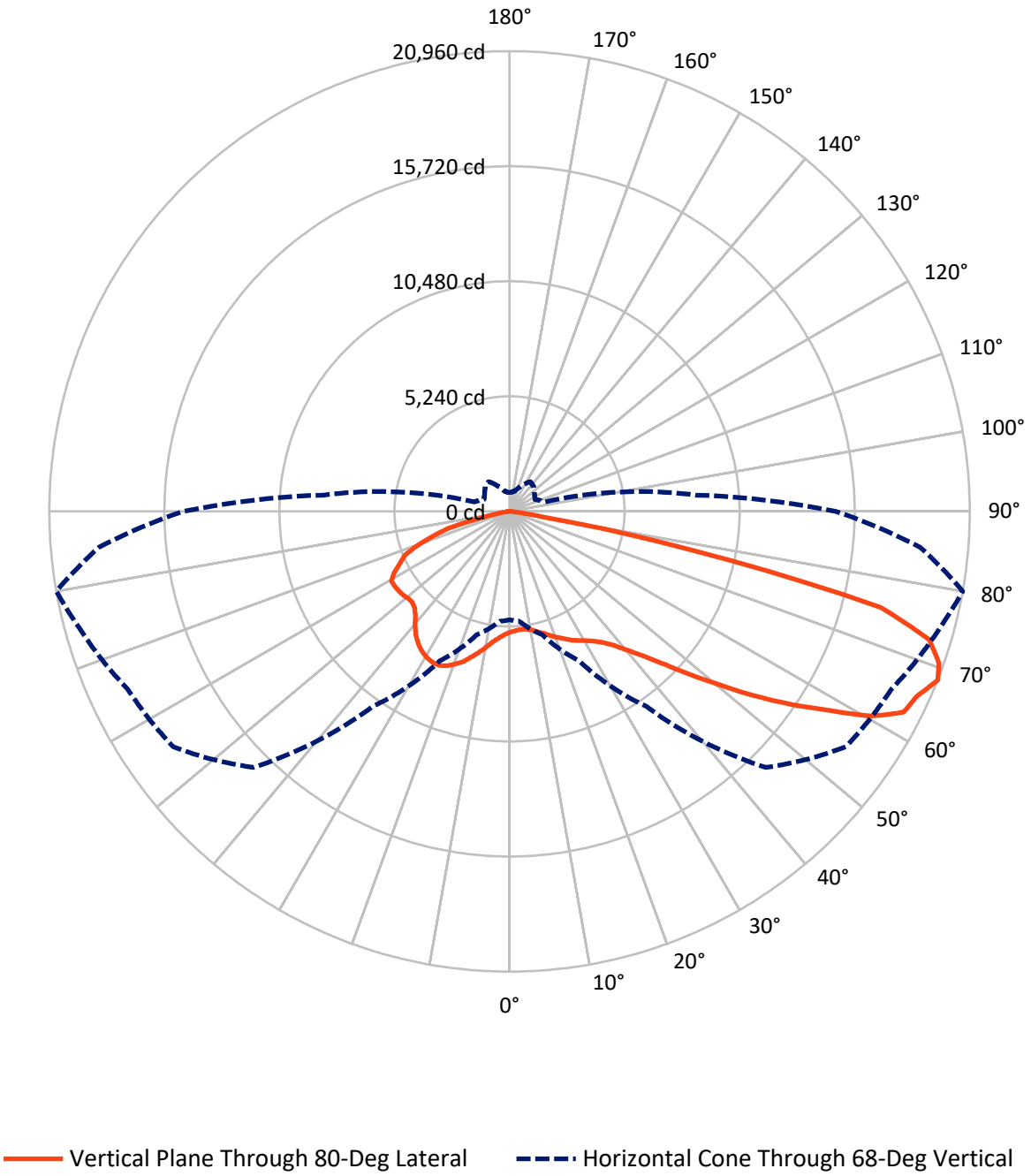
Based on 20 foot mounting height. Maximum calculated value = 15.6 fc
Type III - Medium - N/A

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1366537
CATALOG NUMBER: GSS-SB5C-735-U-T3R

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

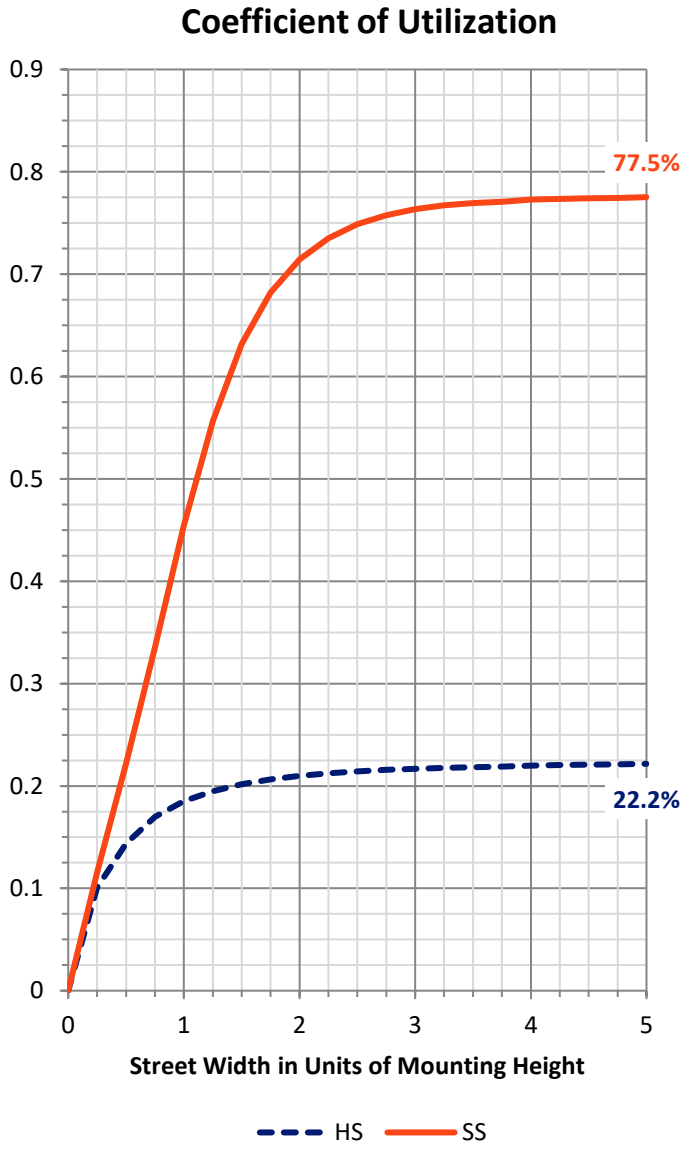
REPORT NUMBER: P1366537
CATALOG NUMBER: GSS-SB5C-735-U-T3R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8036.0	0.0	8036.0
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	27925.6	0.0	27925.6
	% Fixture	77.7	0.0	77.7
Total	Lumens	35961.6	0.0	35961.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	531.7	1.5
10°-20°	1518.2	4.2
20°-30°	2503.4	7.0
30°-40°	3843.3	10.7
40°-50°	5934.2	16.5
50°-60°	8196.6	22.8
60°-70°	8400.6	23.4
70°-80°	4757.8	13.2
80°-90°	275.8	0.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	35961.6	100.0
0°-180°	35961.6	100.0



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

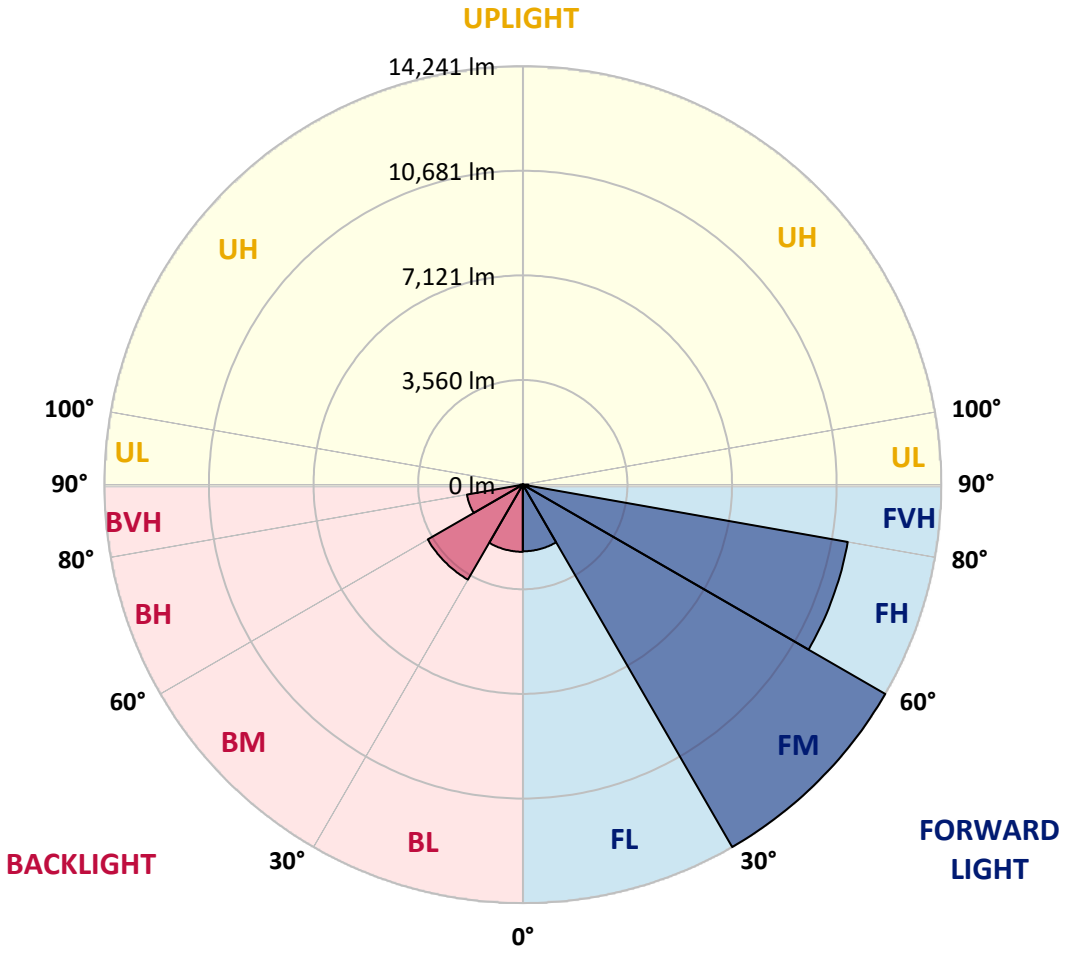
Scaled Data Report

REPORT NUMBER: P1366537
CATALOG NUMBER: GSS-SB5C-735-U-T3R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2267.2	6.3			
FM	(30°-60°)	14241.1	39.6			
FH	(60°-80°)	11227.1	31.2			G4/12000
FVH	(80°-90°)	190.2	0.5			G2/225
BL	(0°-30°)	2286.1	6.4	B3/2500		
BM	(30°-60°)	3733.0	10.4	B3/5000		
BH	(60°-80°)	1931.3	5.4	B3/2500		G3/2500
BVH	(80°-90°)	85.6	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type III Medium



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1366537
CATALOG NUMBER: GSS-SB5C-735-U-T3R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	5493.8	5493.8	5493.8	5493.8	5493.8	5493.8	5493.8	5493.8	5493.8	*5493.8*	5493.8
2.5°	5107.9	5091.2	5082.8	5099.6	5124.7	5175.0	5233.8	5275.7	5376.3	*5435.1*	5485.4
5°	4839.5	4831.2	4831.2	4873.1	4915.0	4973.7	5057.6	5133.1	5284.1	*5401.5*	5485.4
7.5°	4520.8	4512.4	4512.4	4604.7	4688.6	4822.8	4957.0	5082.8	5267.3	*5418.3*	5552.5
10°	4185.3	4185.3	4202.1	4319.5	4462.1	4655.0	4881.5	5074.4	5309.2	*5485.4*	5669.9
12.5°	4042.7	4034.4	4042.7	4151.8	4294.4	4554.4	4814.4	5107.9	5393.1	*5619.6*	5837.7
15°	4076.3	4059.5	4042.7	4135.0	4244.0	4504.1	4814.4	5175.0	5535.7	*5753.8*	6055.7
17.5°	4252.4	4244.0	4193.7	4218.9	4294.4	4529.2	4856.3	5275.7	5678.3	*5938.3*	6265.4
20°	4596.3	4571.1	4495.7	4453.7	4462.1	4613.1	4931.8	5409.9	5812.5	*6122.8*	6491.9
22.5°	5166.7	5149.9	5024.1	4856.3	4747.3	4789.2	5066.0	5560.9	5997.0	*6290.6*	6751.9
25°	5921.5	5879.6	5686.7	5418.3	5166.7	5074.4	5233.8	5762.2	6173.1	*6491.9*	6995.1
27.5°	6726.7	6735.1	6559.0	6156.4	5720.2	5409.9	5451.8	5963.5	6374.4	*6659.6*	7204.8
30°	7666.1	7624.2	7431.3	7011.9	6374.4	5854.4	5678.3	6156.4	6559.0	*6827.4*	7456.4
32.5°	8907.5	8915.8	8572.0	7926.1	7129.3	6399.6	5971.9	6357.7	6768.7	*7045.4*	7766.8
35°	10408.8	10375.3	9964.3	9184.2	8102.3	7028.7	6349.3	6617.7	7020.3	*7330.6*	8127.4
37.5°	11750.8	11658.5	11415.3	10668.8	9326.8	7884.2	6860.9	6961.6	7414.5	*7741.6*	8664.2
40°	12950.2	12908.3	12866.3	12296.0	10727.5	8949.4	7531.9	7490.0	7901.0	*8328.7*	9326.8
42.5°	13939.9	13931.5	13948.3	13822.5	12438.6	10283.0	8471.3	8177.7	8588.7	*9024.9*	10106.9
45°	14661.2	14644.5	14820.6	15080.6	14107.7	11876.6	9578.4	9033.3	9461.0	*9955.9*	11096.6
47.5°	15432.9	15441.3	15684.5	16120.6	15734.8	13461.8	10836.6	10098.5	10484.3	*11113.3*	12279.2
50°	15734.8	15734.8	16313.6	16934.2	17043.3	15147.7	12337.9	11365.0	11759.2	*12430.2*	13470.2
52.5°	15080.6	15206.4	16221.3	17387.1	17898.8	16707.8	13923.1	12740.5	13076.0	*13939.9*	14652.8
55°	11423.7	11868.2	15516.7	17169.1	18217.5	17932.3	15500.0	14267.0	14636.1	*15491.6*	15869.0
57.5°	9863.6	9981.0	12170.2	16405.8	17814.9	18594.9	16959.4	15894.2	16229.7	*17068.4*	17135.5
60°	8672.6	8832.0	10174.0	15114.1	17018.1	18527.8	18175.6	17395.5	17865.2	*18930.4*	18418.8
62.5°	7028.7	7196.4	8328.7	12077.9	15969.7	18058.1	19123.3	18813.0	19257.5	*20146.6*	18947.2
65°	6189.9	6248.6	7062.2	9259.7	14040.6	17655.5	19609.8	19416.9	19609.8	*20356.3*	18678.8
67.5°	5158.3	5275.7	6064.1	7859.0	11339.8	16800.0	18888.5	19165.3	20121.4	*20859.5*	18880.1
68°	*4940.2*	*5024.1*	*5829.3*	*7515.1*	*10836.6*	*16489.7*	*18695.6*	*19182.1*	*20322.7*	*20960.2*	*18771.1*
70°	4034.4	4151.8	4864.7	6299.0	9083.6	13201.8	17940.7	19509.2	20465.3	*20750.5*	18175.6
72.5°	1996.2	2205.9	3355.0	4445.3	6559.0	9544.9	15726.4	19089.8	20171.8	*19995.6*	16917.4
75°	704.5	754.9	1568.4	2407.2	3178.8	6181.5	11121.7	17403.9	18494.3	*17462.6*	14183.1
77.5°	503.2	545.2	889.1	1216.2	1308.4	3103.3	7129.3	11507.6	10937.2	*8471.3*	6458.3
80°	394.2	427.8	662.6	679.4	654.2	1090.4	2432.4	3489.2	2457.5	*1543.3*	1115.5
82.5°	243.2	293.6	494.9	411.0	301.9	343.9	570.3	939.4	671.0	*427.8*	343.9
85°	92.3	117.4	226.5	159.4	100.6	134.2	192.9	251.6	192.9	*142.6*	125.8
87.5°	8.4	8.4	16.8	16.8	25.2	33.5	50.3	67.1	75.5	*75.5*	75.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P1366537
CATALOG NUMBER: GSS-SB5C-735-U-T3R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5493.8	5493.8	5493.8	5493.8	5493.8	5493.8	5493.8	5493.8	5493.8	5493.8	5493.8
2.5°	5518.9	5544.1	5653.1	5711.8	5820.9	5904.8	5955.1	5980.2	6005.4	6022.2	6013.8
5°	5577.6	5653.1	5862.8	6022.2	6148.0	6231.9	6273.8	6307.3	6315.7	6332.5	6324.1
7.5°	5686.7	5804.1	6122.8	6307.3	6416.4	6449.9	6416.4	6399.6	6374.4	6349.3	6349.3
10°	5862.8	6047.3	6424.8	6559.0	6567.4	6517.0	6408.0	6282.2	6189.9	6156.4	6139.6
12.5°	6089.3	6349.3	6735.1	6768.7	6659.6	6424.8	6114.4	5854.4	5686.7	5560.9	5552.5
15°	6366.1	6668.0	7003.5	6902.9	6592.5	6097.7	5586.0	5217.0	5024.1	4915.0	4864.7
17.5°	6651.2	7037.1	7246.7	6970.0	6315.7	5510.5	4898.3	4604.7	4428.6	4369.9	4327.9
20°	6970.0	7339.0	7414.5	6869.3	5812.5	4856.3	4302.8	4118.2	4118.2	4101.5	4084.7
22.5°	7297.1	7649.3	7506.8	6592.5	5149.9	4210.5	3875.0	3942.1	4059.5	4093.1	4093.1
25°	7599.0	7917.7	7506.8	6097.7	4361.5	3682.1	3707.2	3866.6	4017.6	4101.5	4101.5
27.5°	7892.6	8085.5	7355.8	5401.5	3648.5	3413.7	3564.7	3757.6	4000.8	4126.6	4135.0
30°	8186.1	8211.3	7087.4	4512.4	3136.9	3220.8	3396.9	3648.5	3916.9	4076.3	4093.1
32.5°	8496.5	8328.7	6709.9	3631.8	2902.1	3036.2	3245.9	3447.2	3656.9	3774.3	3782.7
35°	8848.7	8437.8	6223.5	2952.4	2751.1	2910.4	3069.8	3136.9	3195.6	3262.7	3304.6
37.5°	9234.6	8580.3	5586.0	2608.5	2608.5	2793.0	2885.3	2751.1	2734.3	2725.9	2700.8
40°	9662.3	8731.3	4789.2	2432.4	2499.5	2667.2	2591.7	2432.4	2314.9	2189.1	2197.5
42.5°	10199.1	8924.2	3883.4	2348.5	2424.0	2566.6	2356.9	2164.0	1845.2	1761.4	1778.1
45°	10811.4	9167.5	3162.1	2273.0	2365.3	2474.3	2197.5	1828.5	1627.2	1711.0	1769.7
47.5°	11457.2	9486.2	2642.0	2214.3	2340.1	2365.3	2096.9	1677.5	1543.3	1727.8	1803.3
50°	12220.5	9779.7	2398.8	2155.6	2331.7	2331.7	1920.7	1652.3	1476.2	1635.5	1711.0
52.5°	12992.1	10064.9	2273.0	2088.5	2306.5	2323.3	1878.8	1618.8	1383.9	1434.3	1467.8
55°	13747.0	10224.3	2205.9	1996.2	2281.4	2281.4	1895.6	1560.1	1291.7	1291.7	1308.4
57.5°	14510.3	10333.3	2147.2	1887.2	2197.5	2155.6	1895.6	1518.1	1258.1	1224.6	1241.3
60°	15357.4	10400.4	2088.5	1761.4	2080.1	2004.6	1887.2	1484.6	1216.2	1165.9	1174.2
62.5°	15491.6	9930.7	1979.4	1627.2	1920.7	1878.8	1853.6	1442.6	1149.1	1048.4	1048.4
65°	15013.5	9226.2	1845.2	1459.4	1711.0	1753.0	1786.5	1392.3	1082.0	964.6	972.9
67.5°	14963.2	8697.8	1702.6	1308.4	1434.3	1593.6	1702.6	1308.4	981.3	880.7	872.3
68°	*14845.8*	*8504.9*	*1660.7*	*1274.9*	*1383.9*	*1560.1*	*1652.3*	*1274.9*	*964.6*	*863.9*	*863.9*
70°	14090.9	7666.1	1409.1	1123.9	1224.6	1274.9	1451.0	1132.3	863.9	780.0	788.4
72.5°	12623.1	6248.6	1082.0	914.2	981.3	981.3	1258.1	1048.4	788.4	712.9	712.9
75°	10526.2	4940.2	822.0	721.3	687.8	796.8	1023.3	947.8	696.2	637.4	612.3
77.5°	4780.8	2130.4	536.8	503.2	511.6	620.7	813.6	813.6	662.6	520.0	461.3
80°	1056.8	662.6	327.1	301.9	301.9	394.2	570.3	587.1	478.1	360.7	310.3
82.5°	352.3	268.4	201.3	184.5	176.1	209.7	352.3	385.8	285.2	209.7	209.7
85°	134.2	125.8	109.0	100.6	83.9	83.9	109.0	176.1	151.0	100.6	100.6
87.5°	67.1	67.1	58.7	41.9	33.5	25.2	16.8	16.8	16.8	25.2	16.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-5

Test Date: 10/10/2024

Luminaire Tested: GSS-SB1A-735-U-5WQ

Data in this report applies to families of products including GSS-SB1A-735-U-5WQ

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

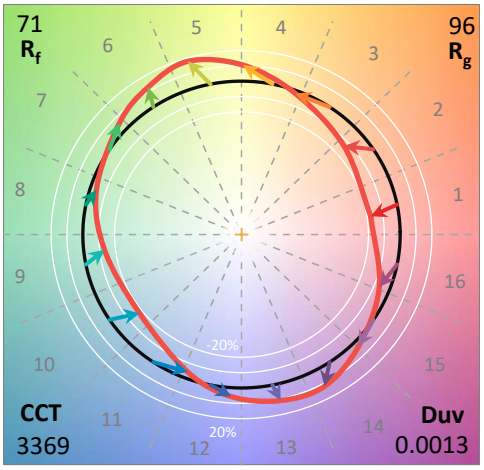
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2407-184-5
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	10/15/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGraw-Edison
Catalog Number:	**GSS-SB1A-735-U-5WQ**
Description:	GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI 3500K CCT 26 LEDS

Spectral Parameters

CCT (K):	3369
CIE u':	0.2386
CIE v':	0.5156
Duv:	0.0013
CIE x:	0.4143
CIE y:	0.3980
CIE z:	0.1877
Peak Wavelength (nm):	590
Dominant Wavelength (nm):	580
Purity:	43.80166
Rf:	71.4
Rg:	96

CRI (Ra):	70.1
R1:	66.6
R2:	77.6
R3:	88.5
R4:	69.5
R5:	66.4
R6:	69.6
R7:	77.5
R8:	44.9
R9:	-40.2
R10:	49.1
R11:	66.3
R12:	45.7
R13:	68.0
R14:	93.4
R15:	57.6



Test Conditions

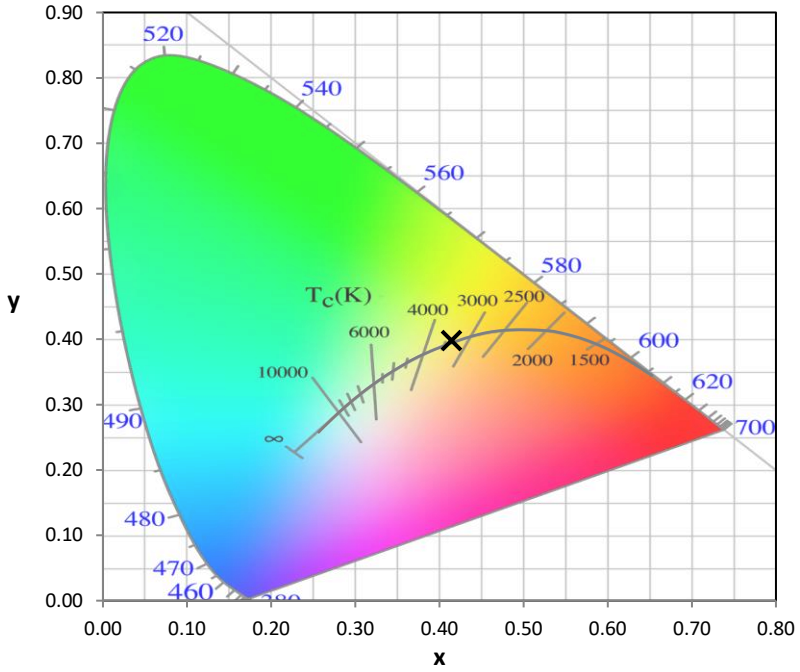
Stabilization Time:	21M
Operation Time:	1H 21M
Sphere Temperature (°C):	25.2

REPORT NUMBER: SP1-2407-184-5

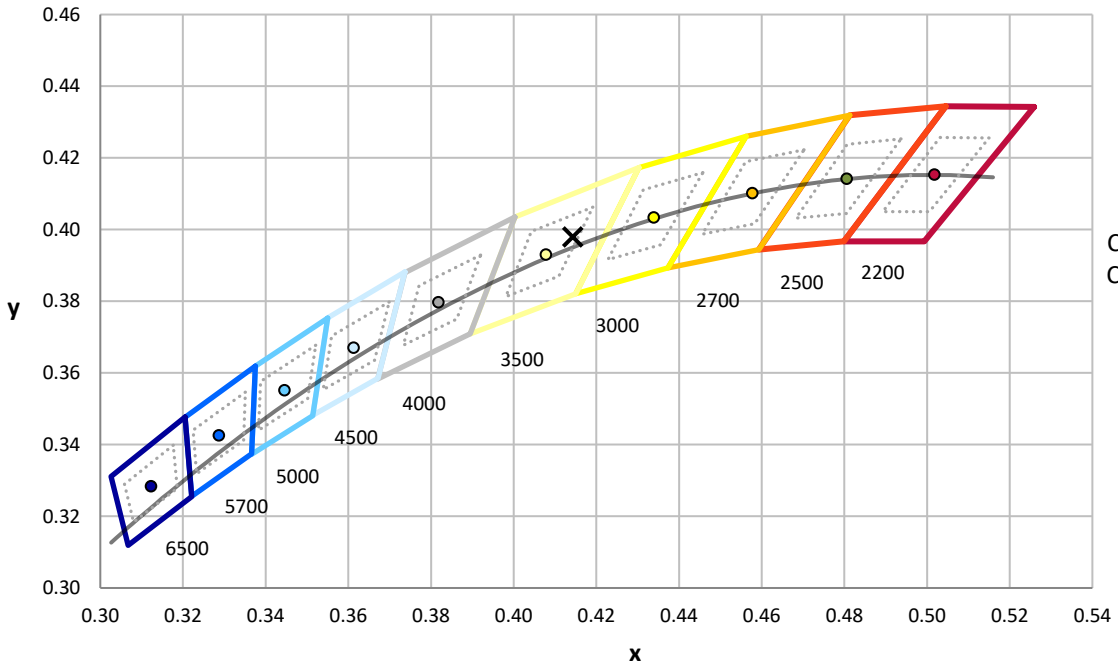
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2407-184-5

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

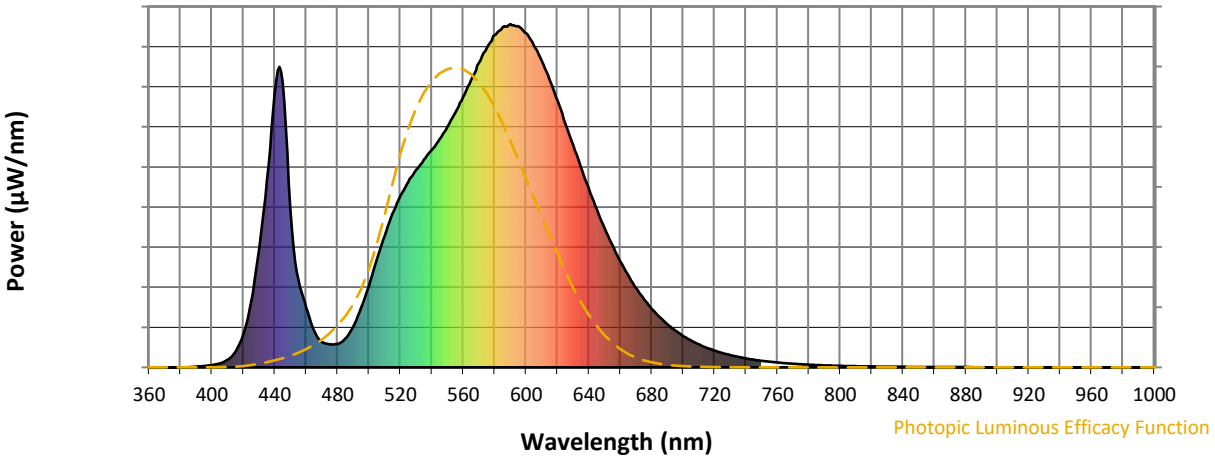


CCT = 3369K
CIE x = 0.4143
CIE y = 0.3980
Duv = 0.0013

Point lies inside the ANSI 3500K 4-step quadrangle

REPORT NUMBER: SP1-2407-184-5

Photopic Flux vs. Wavelength

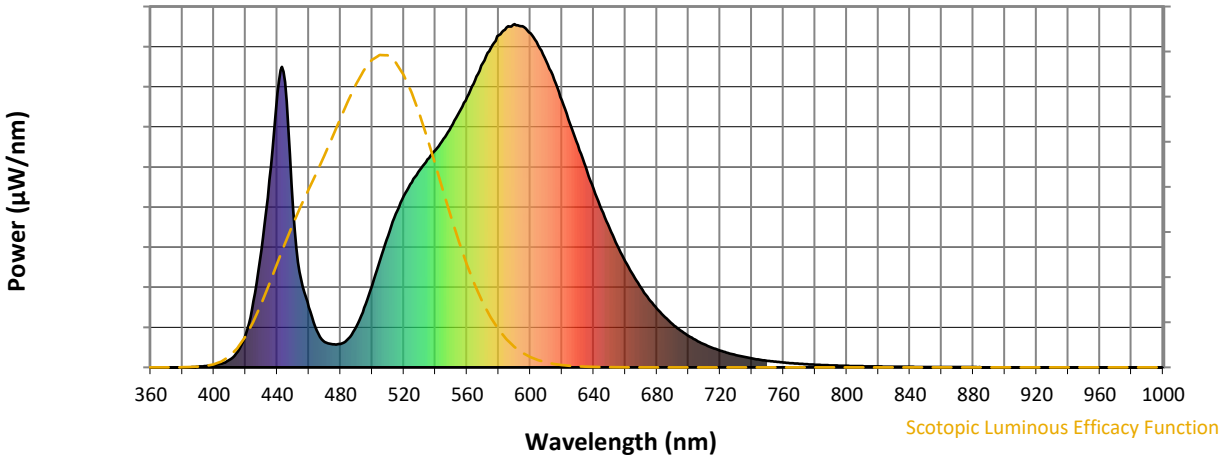


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Scotopic Flux vs. Wavelength

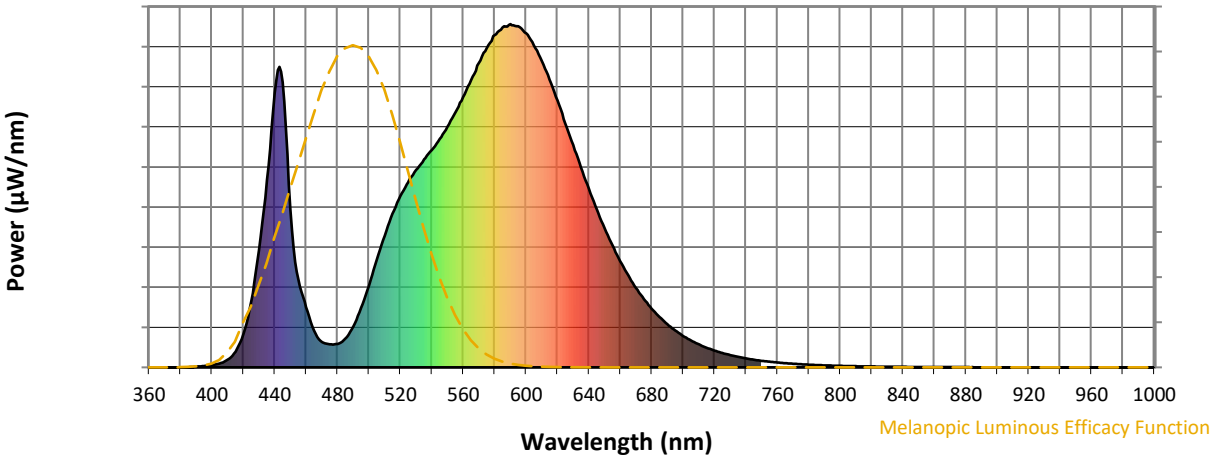


Scotopic Lumens: NR **S/P: 1.29**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

REPORT NUMBER: SP1-2407-184-5

Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.36**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	119	NR	620	778	NR	750	19	NR	880	1	NR
365	0	NR	495	173	NR	625	711	NR	755	16	NR	885	0	NR
370	0	NR	500	239	NR	630	648	NR	760	14	NR	890	0	NR
375	0	NR	505	313	NR	635	582	NR	765	12	NR	895	0	NR
380	0	NR	510	383	NR	640	520	NR	770	11	NR	900	0	NR
385	0	NR	515	448	NR	645	460	NR	775	9	NR	905	0	NR
390	2	NR	520	500	NR	650	406	NR	780	8	NR	910	0	NR
395	4	NR	525	539	NR	655	355	NR	785	7	NR	915	0	NR
400	6	NR	530	575	NR	660	309	NR	790	6	NR	920	0	NR
405	11	NR	535	606	NR	665	269	NR	795	5	NR	925	0	NR
410	22	NR	540	633	NR	670	231	NR	800	4	NR	930	0	NR
415	45	NR	545	666	NR	675	199	NR	805	4	NR	935	0	NR
420	96	NR	550	701	NR	680	171	NR	810	3	NR	940	0	NR
425	193	NR	555	743	NR	685	147	NR	815	3	NR	945	0	NR
430	341	NR	560	788	NR	690	126	NR	820	3	NR	950	0	NR
435	547	NR	565	837	NR	695	107	NR	825	2	NR	955	0	NR
440	799	NR	570	887	NR	700	92	NR	830	2	NR	960	0	NR
445	831	NR	575	931	NR	705	78	NR	835	2	NR	965	0	NR
450	461	NR	580	967	NR	710	67	NR	840	2	NR	970	0	NR
455	256	NR	585	990	NR	715	57	NR	845	1	NR	975	0	NR
460	176	NR	590	1000	NR	720	49	NR	850	1	NR	980	0	NR
465	107	NR	595	994	NR	725	42	NR	855	1	NR	985	0	NR
470	74	NR	600	973	NR	730	36	NR	860	1	NR	990	0	NR
475	67	NR	605	938	NR	735	31	NR	865	1	NR	995	0	NR
480	68	NR	610	892	NR	740	26	NR	870	1	NR	1000	0	NR
485	84	NR	615	838	NR	745	22	NR	875	1	NR			

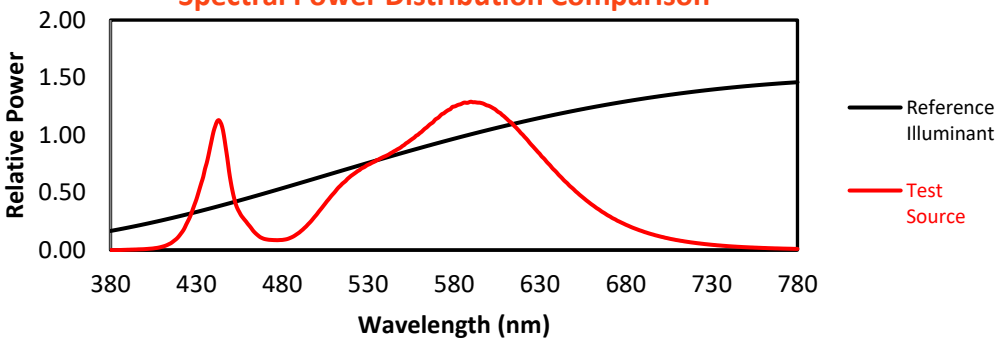
REPORT NUMBER: SP1-2407-184-5

TM-30-18

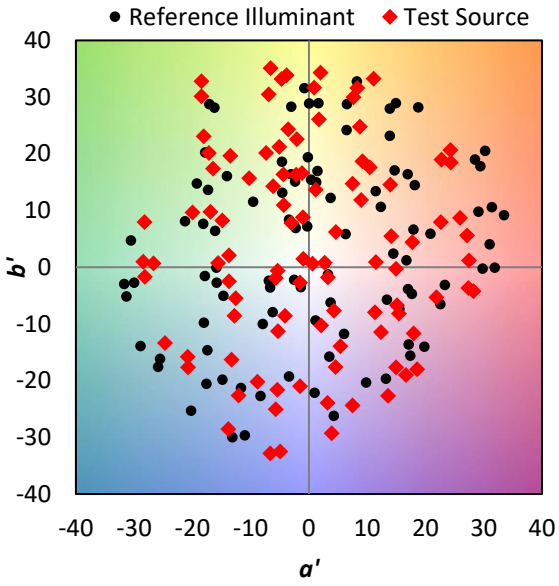
Summary

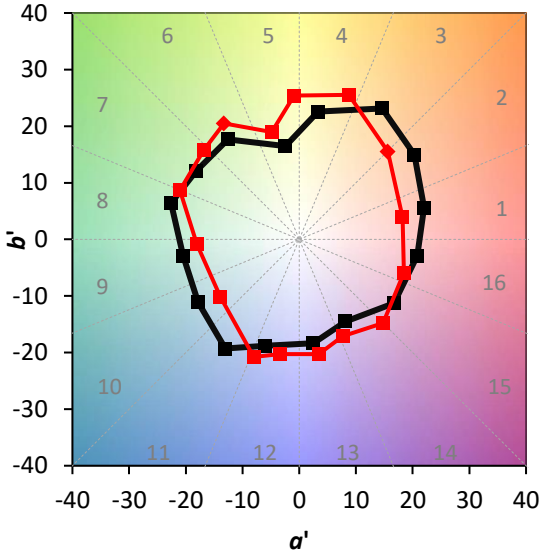
R_f = 71.4
R_g = 96
CIE R_a = 70.1
R_9 = -40.2

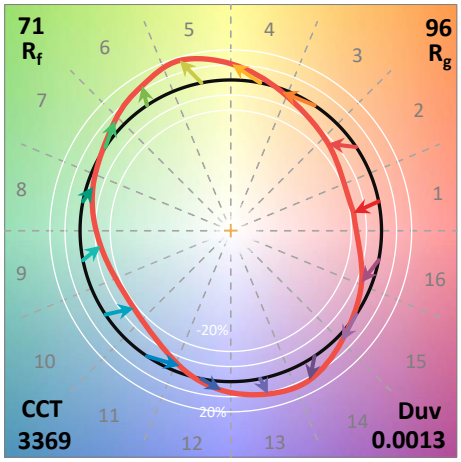
Spectral Power Distribution Comparison

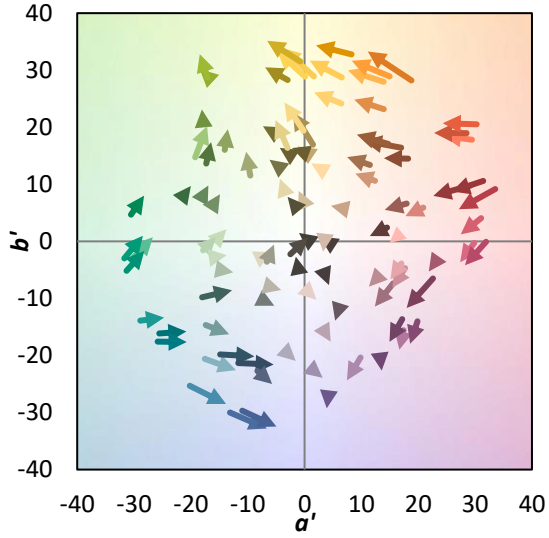


Color Vector Graphics







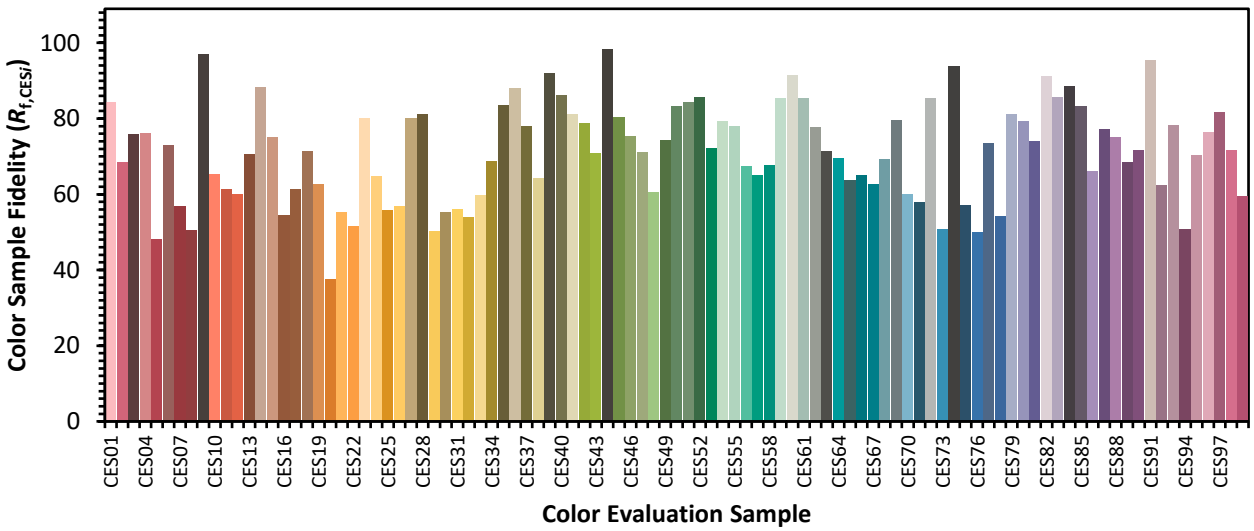


REPORT NUMBER: SP1-2407-184-5

TM-30-18

Individual Sample Fidelity Index ($R_{f,i}$)

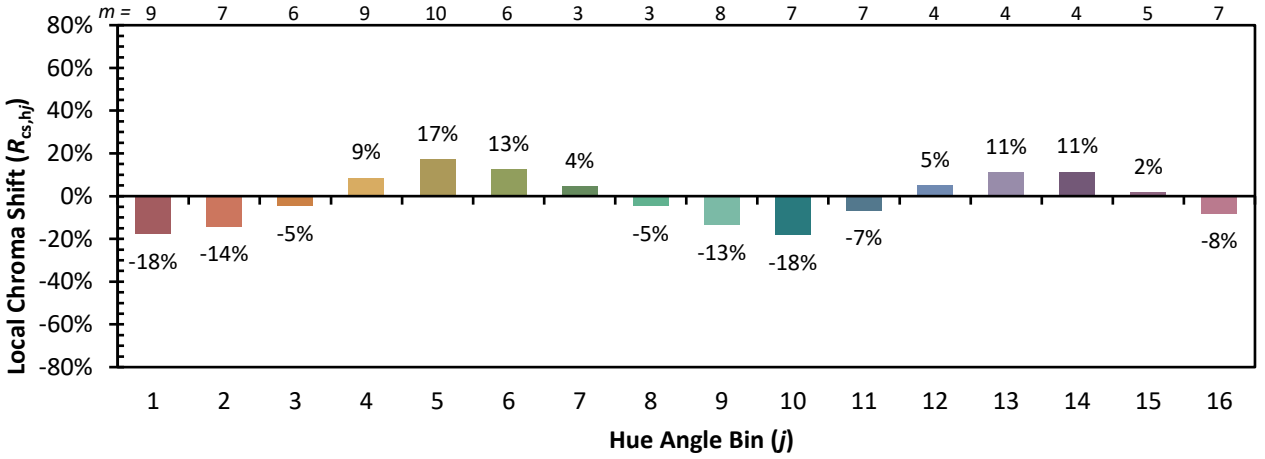
CES01 = 86	CES26 = 57	CES51 = 84	CES76 = 50
CES02 = 62	CES27 = 80	CES52 = 86	CES77 = 74
CES03 = 31	CES28 = 81	CES53 = 72	CES78 = 54
CES04 = 70	CES29 = 50	CES54 = 79	CES79 = 81
CES05 = 48	CES30 = 55	CES55 = 78	CES80 = 79
CES06 = 51	CES31 = 56	CES56 = 67	CES81 = 74
CES07 = 40	CES32 = 54	CES57 = 65	CES82 = 91
CES08 = 39	CES33 = 60	CES58 = 68	CES83 = 86
CES09 = 29	CES34 = 69	CES59 = 85	CES84 = 89
CES10 = 75	CES35 = 83	CES60 = 91	CES85 = 83
CES11 = 58	CES36 = 88	CES61 = 85	CES86 = 66
CES12 = 64	CES37 = 78	CES62 = 78	CES87 = 77
CES13 = 43	CES38 = 64	CES63 = 71	CES88 = 75
CES14 = 74	CES39 = 92	CES64 = 70	CES89 = 68
CES15 = 71	CES40 = 86	CES65 = 64	CES90 = 72
CES16 = 47	CES41 = 81	CES66 = 65	CES91 = 95
CES17 = 50	CES42 = 79	CES67 = 63	CES92 = 62
CES18 = 56	CES43 = 71	CES68 = 69	CES93 = 78
CES19 = 72	CES44 = 98	CES69 = 80	CES94 = 51
CES20 = 65	CES45 = 80	CES70 = 60	CES95 = 70
CES21 = 87	CES46 = 75	CES71 = 58	CES96 = 76
CES22 = 79	CES47 = 71	CES72 = 85	CES97 = 82
CES23 = 92	CES48 = 61	CES73 = 51	CES98 = 72
CES24 = 91	CES49 = 74	CES74 = 94	CES99 = 60
CES25 = 72	CES50 = 83	CES75 = 57	

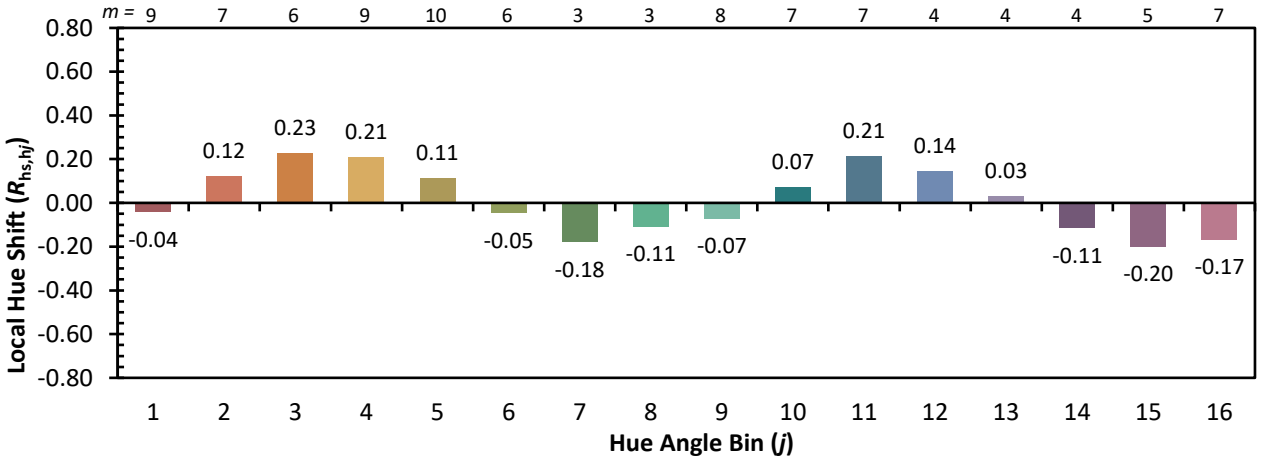


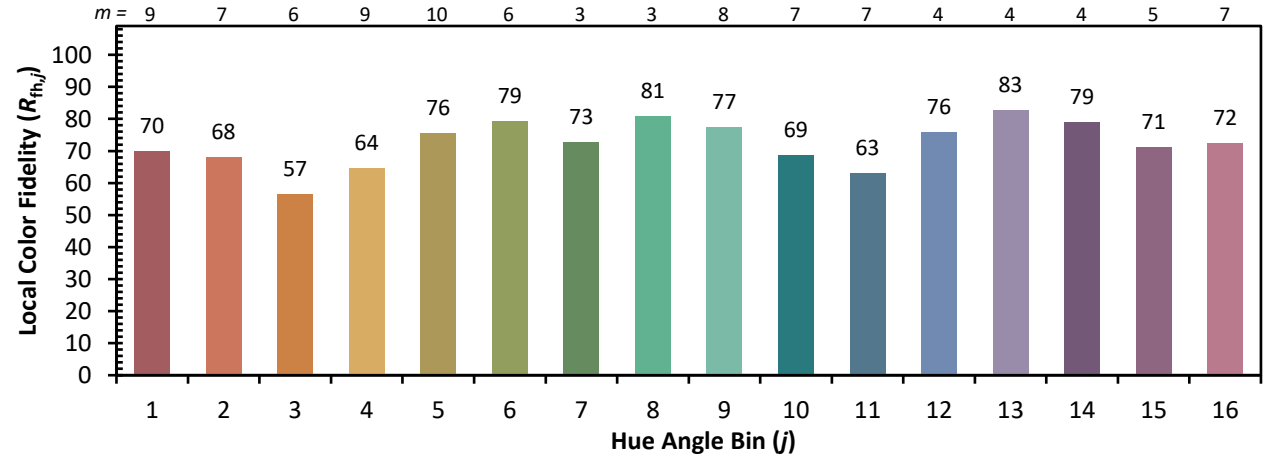
REPORT NUMBER: SP1-2407-184-5

TM-30-18

Color Rendition by Hue-Angle Bin



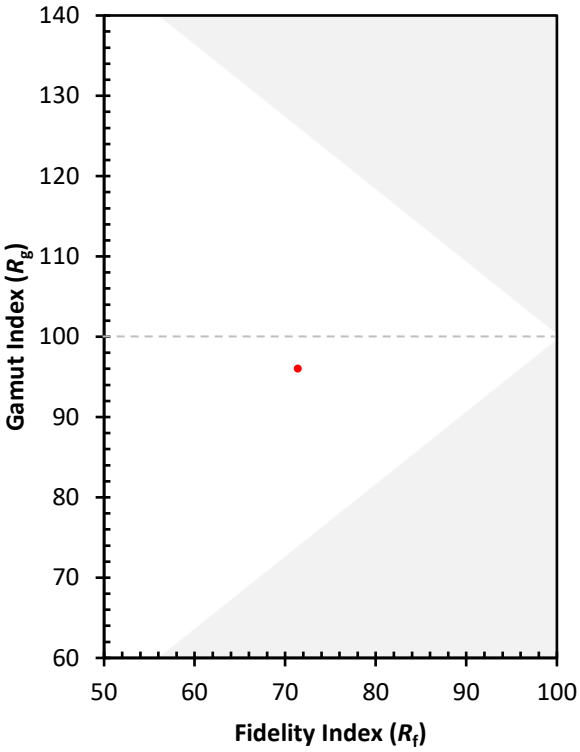


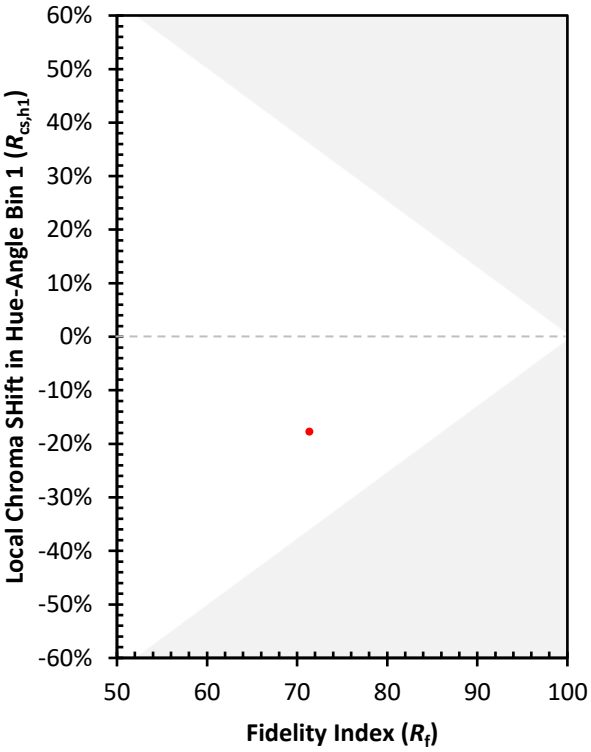


REPORT NUMBER: SP1-2407-184-5

TM-30-18

Measure Comparisons





(END OF REPORT)